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Austin Road, Santa Barbara, CA 93111 (US). SWEET,
Doug [US/US]; 117 Cannon Drive, Santa Barbara,
CA 93105 (US). FAVUZZI, John [US/US]; 5086 San
Bernardo Place, Santa Barbara, CA 93111 (US).

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(74) Agent: SANTANGELO, Luke; Santangelo Law Offices,
P.C., 125 South Howes, 3rd floor, Fort Collins, CO 80521
(US).

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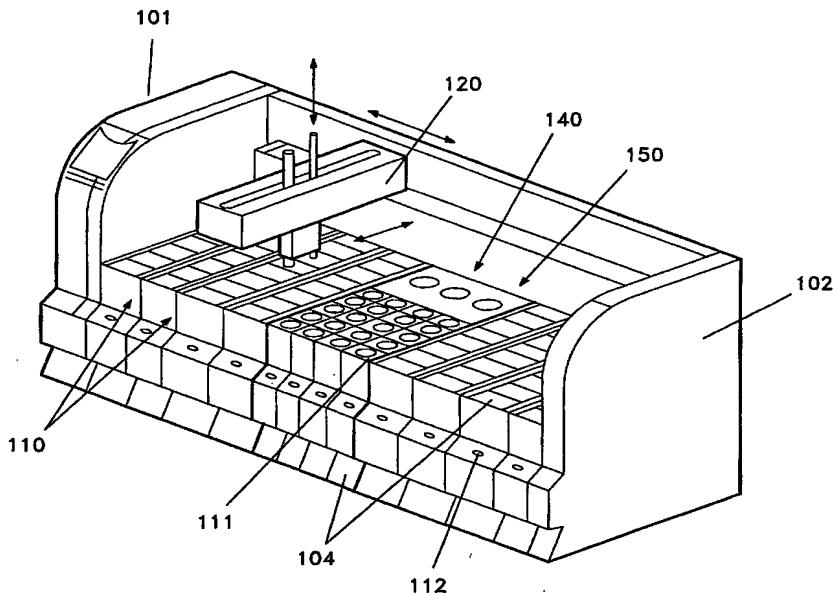
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(71) Applicant (for all designated States except US): DAKO-CYTOMATION DENMARK A/S [DK/DK]; Produktionsvej 42, DK-2600 Glostrup (DK).

(72) Inventors; and
(75) Inventors/Applicants (for US only): WELCHER, Rosanne [US/US]; 1175 Church Street, Ventura, CA 93001 (US). KEY, Marc [US/US]; 290 Saddle Lane, Ojai, CA 93023 (US). FEINGOLD, Gordon [US/US]; 5242

[Continued on next page]

(54) Title: ADVANCED PROGRAMMED SAMPLE PROCESSING SYSTEM AND METHODS OF BIOLOGICAL SLIDE PROCESSING



(57) Abstract: A sample processing system (101) that may be automated and methods are disclosed where sample(s) (198) are arranged on a carrier element (197) and a process operation control system (171) automatically processes the sample(s) perhaps robotically with a sample process parameter input (173) that may be independent and an independent process parameter memory that does not interrupt process operation when being used. There may be an interspersial robotic control element responsive to an automatic data replication memory and to which a robotic motion system is responsive.

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